

Software Information Sheet



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General Information

Model Name:	DBV-300/301/302-SU/SD				SW.Req. No. :	C10-062-01 A2064	
SW. Name:	DBV-300/301/302(USA3)-SU/SD ID-003/002				Date: (mm,dd,yyyy)	05.25.2010	Rev: C1
SW. Version:	V1.52-40				Note:		
Country (Code):	United States of America (USA)				Guide:	Type1 (67mm)	
Currency:	Dollar				Check Sum:	DA5D	
Direction:	4 Way				CRC (seed= 0000):	6D5B	
Denomination: Years & MRI Ident # 73rd	Denom.	Printed	Issued	MRI#	Denom.	Printed	Issued
	1	'95 - '03		USD1.1	20	'04 -	'03
	5	'93 - '95		USD5.1B	50	'93	
	5	'99 -	'00	USD5.2	50	'96 - '01	
	5	'06	'08	USD5.3	50	'04 -	'04
	10	'93 - '95		USD10.1B	100	'93	
	10	'99 - '03	'00	USD10.2	100	'96 -	
	10	'04 -	'06	USD10.3	100	'09	
	20	'93 - '95		USD20.1B			
	20	'96 - '01		USD20.2			
Barcode Ticket:	DBV-300 Barcode Ticket Specification						
EPROM:	NC						
Modifications:	<p>(Version 1.51-38 → V1.52-40) -06/2010</p> <ul style="list-style-type: none"> Banknote Recognition: Added new \$100 (09) note recognition. <p>(Version 1.50-37 → V1.51-38) -03/2010</p> <ul style="list-style-type: none"> Interface: Added the function to control the LED flash with the ID-003 command. (For more details, refer to the attached document, "ID-003 Command to Control LED Flash REV 2.doc".) <p>(Version 1.47-35 → 1.50-37) – 01/2010</p> <ul style="list-style-type: none"> Machine Operation: Modified the wet note detection measure to resolve acceptance issues in the previous version (particularly with the \$100('06) series notes). <p>(Version 1.45-35 → 1.47-35) – 06/2009</p> <ul style="list-style-type: none"> Banknote Recognition: Improved acceptance for the \$5('99-'06), \$10('99-'04), \$20('96,'04), and \$50('96,'99-'04) notes by adding more street grade data. Banknote Recognition: Added counterfeit measures for the \$50('96) and \$100('93,'96,'03) notes. Machine Operation: Assigned DIP switch #2-3 for TTL/RS232C communication poll rate of 384000bps. Poll rate can be changed when activating the unit. <p>(Version 1.41-33 → 1.45-35) – 02/2009</p> <ul style="list-style-type: none"> Machine Operation: Added pullback countermeasures. During Idle, the pusher mechanism will be pushed to protect against stringing the unit. <p>(Version 1.39-32 → 1.41-33) – 01/2008</p> <ul style="list-style-type: none"> Banknote Recognition: Added the next generation \$5 (2006 Series) notes. (Being released March 2008). <p>(Version 1.34-27 to 1.39-32) – 08/2007</p> <ul style="list-style-type: none"> Machine Operation: If the DBV-300 detects a wet note during transport, the unit will return the note. Machine Operation: Added Dip Switch Bank 2, #5: "Sunlight Protection Mode". 						

Memo:	<p>(Version 1.31-24 → 1.34-27) – 05/2006</p> <ul style="list-style-type: none"> • Banknote Recognition: Improved recognition – NexGEN \$10 (2004 Series). • Banknote Recognition: Improved recognition - \$100. <p>(Version 1.31-24) – 11/2005</p> <ul style="list-style-type: none"> • Banknote Recognition: Added next generation \$10 banknote. • Machine Operation: Added plastic card countermeasure. Previous software versions did not reject the plastic card when inserted. Software version 1.31-24 fixes this by rejecting the plastic card back to the customer. • Machine Operation: Added PDA[Palm] dip switch setting.
	<ul style="list-style-type: none"> • PDA[Palm]: The PDA must be set after the version is updated. • Interface: Photo-coupler isolation communication poll rate is 9600bps.

Dip Switch Settings

#	Dip Switch 1		Dip Switch 2		
1	OFF	1 ENABLE	OFF	Setting Pulse Width *1	Setting Serial I/F Level *3
	ON	1 DISABLE	ON		
2	OFF	5 ENABLE	OFF	Setting Number of Pulse *2	Communication Rate = 9600bps (TTL/RS232C)
	ON	5 DISABLE	ON		
3	OFF	10 ENABLE	OFF	Setting OFF	Communication Rate = 38400bps (TTL/RS232C)
	ON	10 DISABLE	ON		Setting OFF
4	OFF	20 ENABLE	OFF	Setting OFF	Setting OFF
	ON	20 DISABLE	ON	Setting OFF	Setting OFF
5	OFF	50 ENABLE	OFF	Setting OFF	Normal Operation
	ON	50 DISABLE	ON	Setting OFF	Sunlight Protection
6	OFF	100 ENABLE	OFF	Setting OFF	Setting OFF
	ON	100 DISABLE	ON	Setting OFF	Setting OFF
7	OFF	OFF	OFF	Setting OFF	PDA Setting Disable
	ON	RESERVED	ON	Setting OFF	PDA Setting Enable
8	OFF	OFF	OFF	ON:PULSE I/F MODE (ID-002)	OFF:SERIAL I/F MODE (ID-003)
	ON	TEST MODE	ON		

*1 : Setting Pulse Width

SW1	SW2	Pulse Width
OFF	OFF	50ms/300ms
ON	OFF	50ms/50ms
OFF	ON	80ms/120ms
ON	ON	150ms/180ms

*2 : Setting Number of Pulse

SW3	SW4	Number of Pulse
OFF	OFF	1 Dollar = 1 pulse
ON	OFF	1 Dollar = 4 pulse
OFF	ON	Not used
ON	ON	Not used

*3 : Setting Serial I/F Level

SW1	SW2	Serial I/F Level
OFF	OFF	Photo-coupler isolation
ON	OFF	TTL
OFF	ON	RS-232C
ON	ON	Not used

ID-003 Data Setting specification

VERSION DATA

SW. Version	D(USA3)300 ID003-05 V1.52-40 24MAY10 6D5B
Boot Version	B03

ESCROW DATA

Code	Denomination
61h	1
62h	Reserved
63h	5
64h	10
65h	20
66h	50
67h	100
68h	Reserved

CURRENCY ASSIGN DATA

Code	Country	Denomi	Exp.
61h	01h	01h	00h
62h	00h	00h	00h
63h	01h	05h	00h
64h	01h	0Ah	00h
65h	01h	14h	00h
66h	01h	32h	00h
67h	01h	64h	00h
68h	00h	00h	00h

ENABLE/DISABLE DATA

DATA bit	Data 1	Data 2
0	1	Reserved
1	Reserved	Reserved
2	5	Reserved
3	10	Reserved
4	20	Reserved
5	50	Reserved
6	100	Reserved
7	Reserved	Reserved

0: Enable, 1: Disable (Default: 82FFh)

SECURITY DATA

DATA bit	Data 1	Data 2
0	1	Reserved
1	Reserved	Reserved
2	5	Reserved
3	10	Reserved
4	20	Reserved
5	50	Reserved
6	100	Reserved
7	Reserved	Reserved

0: Normal, 1: Security Level high (Default: 0000h)

DIRECTION DATA

DATA bit	Direction	Sample denomination:100
0	'A' Direction	<p>The diagram shows a coin with 'Front' and 'Back' sides. Arrows indicate directions: A ← (FA) for Front, → B (FB) for Front, D ← (BB) for Back, and → C (BA) for Back.</p>
1	'B' Direction	
2	'C' Direction	
3	'D' Direction	
4	Not used	
5	Not used	
6	Not used	
7	Not used	

0: Not Inhibit, 1: Inhibit (Default: 00h)

OPTIONAL FUNCTION DATA

DATA bit	Data 1	Data 2
0	Not used	Not used
1	Not used	Not used
2	Not used	Not used
3	Not used	Not used
4	Not used	Not used
5	Not used	Not used
6	Not used	Not used
7	Not used	Not used

0: Disable 1: Enable (Default:0000h)

BAR CODE FUNCTION DATA

	Code	Function
Data 1	01h	Barcode type (interleaved 2 of 5)
Data 2	0Eh	Character length (14character)